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|---------------------------|----------------------------------|----------------------|---------------------|------------------|
| 09/809,405 | 03/15/2001 | Frank Rademacher | 964-010251 | 3576 |
| | 7590 11/02/2007 AW FIRM, P.C. | | EXAMINER | |
| 700 KOPPERS | BUILDING | | SENFI, BEHROOZ M | |
| 436 SEVENTH PITTSBURGH | | | ART UNIT | PAPER NUMBER |
| | | | 2621 | |
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| | | | 11/02/2007 | PAPER |

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

| j | | Application No. | Applicant(s) | | | |
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| | | 09/809,405 | RADEMACHER ET AL. | | | |
| | Office Action Summary | Examiner | Art Unit | | | |
| | | Behrooz Senfi | 2621 | | | |
| Period fo | The MAILING DATE of this communication app or Reply | ears on the cover sheet with the c | correspondence address | | | |
| A SH WHIC - Exter after - If NC - Failu Any | ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANS IN THE MAIL | ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE | N. nely filed the mailing date of this communication. D (35 U.S.C. § 133). | | | |
| Status | | | | | | |
| 1)⊠ | Responsive to communication(s) filed on 15 Au | ugust 2007. | | | | |
| • ==== | This action is FINAL . 2b) This action is non-final. | | | | | |
| 3)[| Since this application is in condition for allowance except for formal matters, prosecution as to the merits is | | | | | |
| | closed in accordance with the practice under E | x parte Quayle, 1935 C.D. 11, 45 | 53 O.G. 213. | | | |
| Dispositi | ion of Claims | | | | | |
| 5)□ 6)⊠ 7)□ | Claim(s) <u>1-8 and 10-15</u> is/are pending in the ap 4a) Of the above claim(s) is/are withdray Claim(s) is/are allowed. Claim(s) <u>1-8 and 10-15</u> is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or | vn from consideration. | | | | |
| · | ion Papers | · | | | | |
| 9) <u> </u> 10) | The specification is objected to by the Examiner The drawing(s) filed on is/are: a) acce Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction | epted or b) objected to by the Idrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj | e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d). | | | |
| 11) | The oath or declaration is objected to by the Ex | aminer. Note the attached Office | Action or form PTO-152. | | | |
| Priority ι | ınder 35 U.S.C. § 119 | , | | | | |
| a)l | Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau See the attached detailed Office action for a list of | s have been received. s have been received in Applicati ity documents have been receive a (PCT Rule 17.2(a)). | on No ed in this National Stage | | | |
| | | | | | | |
| , | • | • | | | | |
| Attachmen | | | | | | |
| | e of References Cited (PTO-892) | 4) Interview Summary | (PTO-413) | | | |
| 2) | te of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08) er No(s)/Mail Date | Paper No(s)/Mail Da 5) Notice of Informal P 6) Other: | ate | | | |

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DETAILED ACTION

Response to Amendment

1. Applicant's arguments filed 8/15/2007 have been fully considered but they are not persuasive.

Response to remarks:

Applicant asserts (remarks, page 6, lines 16 – 23) that, Rosinski display is located in a mirror, not a screen near the driver's seat.

With respect to applicant points of arguments, applicant should note that for the above claim limitation, examiner relied upon the primary reference, Thomas (fig. 2, display screen 1), not Rosinski reference. Further, as for camera mounted to the rear of the driver's seat above the counterweight at a first height (please see, fig. 2 of Thomas, camera 2", which is mounted to the rear of the driver's seat at a first height above the counterweight, and examiner introduce the secondary reference Rosinski, to modify the primary reference by adding the secondary/additional camera for the purpose of allowing the operator of industrial truck as shown in fig. 2 of Thomas to view blind spots, e.g., near area behind the truck, as taught by the secondary reference , (, vehia vehicle d be combined with the primary reference Rosinski (figs. 5B – 11B, illustrates different arrangement of cameras mounted on the vehicle and/or trucks, col. 2, lines 58 – 63, col. 4, lines 13 – 15).

In view of the above, claims 1-8 and 10-15 are finally rejected for the same reason as set fourth in the last Office Action, mailed 5/17/2007. See below:

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Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 1 - 8, 10 - 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Thomas Enkelmann (EP 254192) in view of Rosinski et al (US 5,793,308). Regarding claim 1, Thomas teaches, an industrial truck (i.e. fig. 1, 16), Comprising; a driver's seat located in a driver's cab, the driver's seat oriented in the forward direction (i.e. fig. 1, shows the driver seat and the drivers position), at least one screen located in the vicinity of the driver's seat (i.e. fig. 2, screen 1), a counterweight located on a rear of the truck (i.e. fig. 2, counterweight 19), a first camera pointing toward the rear (i.e. fig. 2, camera 2"), the first camera mounted on the rear of the vehicle to the rear of the driver's seat and above the counterweight at a first height (fig. 2, camera 2") wherein the first camera provides a view of a distant area behind the industrial truck (i.e. fig. 2, camera 2"), and wherein the image taken with the first camera and/or the image taken with the at least one additional camera can be displayed on the screen located in the vicinity of the drivers seat (i.e. fig. 2, display screen 1). Thomas reference is silent in regards to explicit of, at least one additional camera is mounted on the rear of the vehicle to the rear of the driver's seat and on an upper segment, at a height greater than the first height, and the at least one additional camera provides a view of a near area behind the industrial truck.

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Rosinski '308 in the same vehicular monitoring field of view (i.e. figs. 5B – 11B, col. 2, lines 58 – 63, col. 4, lines 13 – 15) teaches camera arrangements in different type of vehicle (e.g. figs. 5B, 7A, 8B and 15 C – 16C) shows additional camera mounted on the rear of the vehicle on an upper segment, at a height greater than the first height of the first camera, to allow a vehicle operator to view blind spots (e.g. near

area behind the vehicle/truck) at the rear end of the vehicle.

In view of the above, it would have been obvious to one having ordinary skill in the art at the time of the invention was made to modify and increase field of view of the operator in device for driving vehicles of Thomas, in accordance with the teaching of Rosinski by incorporating multiple cameras, to allow a vehicle operator to view blind spots (e.g. near area behind the vehicle/truck) at the rear end of the vehicle, as suggested by Rosinski.

Regarding claim 2, Rosinski teaches, wherein there are two additional cameras to view the near area (i.e. col. 4, lines 14 - 15).

Regarding claim 3, it is noted that combination of Thomas and Rosinski is silent in regards to, camera equipped with a wide-angle lens, as claimed. Examiner takes Official Notice to note that, the use of wide-angle lens in the camera is notoriously well known and conventionally used for the benefit of covering larger area in video navigation and/or monitoring. Therefore, it would have been obvious to one having ordinary skill in the art at the time of the invention was made to implement such teaching as they are notoriously well known in the conventional art, to view or cover larger area under camera monitoring.

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Regarding claim 4 - 6, Rosinski teaches, switching device by which the far area viewed by the first camera or the near area viewed by the at least one additional camera can be selectively displayed on the screen as desired (i.e. col. 7, lines 8 – 15). Regarding claims 7 – 8, wherein the screen is effectively connected with an image mixer by which the images taken by the two additional cameras are superimposed on each other on the screen (i.e. figs. 2 – 3, CPU 21 and MCU 211, col. 3, lines 30 – 32, col. 6, lines 4 – 6 of Rosinski).

Regarding claim 10, the limitations claimed have been analyzed and rejected with respect to claim 1 above.

Regarding claim 11, the limitation "screen is located inside a driver's cab of the industrial truck in the vicinity of the driver" reads on (Thomas; fig. 2, screen 1).

Regarding claims 12 - 13, Rosinski teaches, wherein the industrial truck has a steering device with an electrical steering sensor (fig. 1, device 4, col. 1, lines 55 – 60, col. 2, lines 23 – 26 and col. 5, lines 57 – 67).

Regarding claim 14, Thomas teaches, screen display (i.e. fig. 2, screen display 1) for displaying images captured by the camera to the vehicle operator. It is noted that Thomas is silent in regards to screen is in the form of a "flat screen"; however the functionality of the screens are the same and both are used for displaying the images taken from the imaging device (i.e. camera). Furthermore; Examiner takes Official Notice to note that; the use of a flat screen is well known and conventionally used in the prior art of the record. Therefore, it would have been obvious to one having ordinary skill

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in the art at the time of the invention was made to use a flat screen as an alternative screen, for providing images captured by the camera to the vehicle operator.

Regarding claim 15, Thomas teaches, forklift truck (i.e. fig. 1, truck 16).

Conclusion

4. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Behrooz Senfi whose telephone number is 571-272-7339. The examiner can normally be reached on M-F 7:00-3:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mehrdad Dastouri can be reached on 571-272-7418. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Behrooz Senfi Examiner Art Unit 2621

PRIMARY EXAMINER